



## Safety Data Sheet

### RECOIL - Reg. No: L 8360 (Act No 36 of 1947) N-AR 1689

Date of issue: 08/03/2011

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1) IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER.	
Product name:	RECOIL
Other means of identification:	Fipronil 200 g/L SC
UN number:	3082
Recommended use:	Insecticide
Restrictions on use:	Agriculture
Distributed by:	MERIDIAN AGRITECH P O BOX 436 MODDERFONTEIN TEL 011 8228509 FAX 0866901386 MOBILE: 0834006056 <a href="http://www.agritech.co.za">www.agritech.co.za</a>
Emergency Number:	POISON CENTRE (UNITAS HOSPITAL) 012 664 1100 WESTERN CAPE POISONS TELEPHONE SERVICE 0861 555 777 RAPID SPILL RESPONSE 0800 775 3305 GRIFFON POISON CENTRE: 082 446 8946
Chemical Name:	(RS)-1-[2,5-dichloro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-3-(2,6-difluorobenzoyl)urea
2) Classification of the substance / mixture:	
Classification of the product:	T; N; R20/22; R23/24/25; R41; R48/25; R50/53; R57 Full text of symbols and R-phrases: see section 15.
Label elements:	Hazard symbols: T – Toxic N – Dangerous for the environment  <div style="display: flex; justify-content: center; gap: 20px;">   </div> <p style="text-align: right;">Signal word: Toxic</p>
Health effects: eyes:	May cause mild irritation.
Health effects: skin:	May cause mild irritation.
Health effects: ingestion	Harmful if swallowed
Health effects: inhalation	Harmful by inhalation
Health effects: Other	No data available
3) COMPOSITION / INFORMATION ON INGREDIENTS:	
Mixture:	

Chemical name	% composition	CAS No.	EC No.	Classification according to Regulation EC 1272/2008 (CLP)	Classification according to 67/548/EEC
Fipronil	20	120068-37-3		Acute Tox. 3, H301/H311/H331 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	T; R23/24/25-48/25 N; R50-53

Full text of R- and S-phrases: see section 15.

#### 4) First Aid Measures:

**Eye contact:**

Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical assistance immediately.

**Skin contact:**

Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Do not rub skin. Persons providing first aid must wear gloves to avoid self-contamination. Seek medical assistance if irritation occurs

**Ingestion:**

Do NOT induce vomiting; seek medical advice immediately and show this container of label or contact the Poisons Information Centre on 012 664-1100 (Unitas Hospital). Make every effort to prevent vomit from entering the lungs by careful placement of the patient. The above first aid instructions are made by the Commonwealth Department of Health and Aged Care via the National Drugs and Poisons Schedule. These instructions are suitable for ingestion of spray solution and small amounts of concentrate; however, if SUBSTANTIAL AMOUNTS of the concentrate have been swallowed (more than about 15ml or one tablespoon) AND if medical assistance is more than 30 minutes away, the induction of vomiting, should be CONSIDERED, preferably based on MEDICAL ADVICE if a physician can be contacted by phone. All care must be taken to prevent vomit from being inhaled. Do not give anything by mouth to a semiconscious or unconscious person.

**Inhalation:**

Remove patient to fresh air. Loosen clothing around neck. Lie down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.

**Most important symptoms and effects, acute and delayed:**

None known

**Indication of immediate medical attention and special treatment needed: Advice to physician**

No specific antidote known. Treat symptomatically.

#### 5) Fire-Fighting Measures:

**Suitable extinguishing media:**

Fine water spray, foam, carbon dioxide. Do not use high volume water jet, due to contamination risk.

**Unsuitable extinguishing media:**

Water jet, due to contamination risk.

**Special hazards arising from the substance or mixture:**

Combustion products are toxic and/or irritant.

**Fire-fighting:**

Remove spectators from surrounding area. Isolate the fire area and evacuate downwind. Use a recommended extinguishing agent for the type of surrounding fire. Fight fire from maximum distance and use unmanned hose holder or monitor nozzles. Contain fire control agents for later disposal. Avoid inhaling hazardous vapours and fumes from burning materials. Keep upwind. Remove container from fire area if possible and without risk. Water can be used to cool unaffected containers but must be contained for later disposal. Do not scatter the material. Avoid pollution of waterways. Generating poisonous and corrosive fumes containing: carbon monoxide, nitrogen oxides and hydrochloric acid.

**Protective clothing:**

Full protective clothing and self-contained breathing apparatus

#### 6) Accidental Release Measures:

<p><b>Personal precautions:</b></p> <p><b>Environmental precautions:</b></p> <p><b>Cleaning procedure:</b></p> <p><b>Disposal:</b></p>	<p>Avoid contact with skin and eyes. Do not breathe in spray or fumes. For personal protection see Section 8. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Wash contaminated clothing before re-use.</p> <p>Do not contaminate waterways, drains and groundwater. If contamination of waterways, drains, rivers or lakes is unavoidable, warn the local authorities (Police and Department of Water/Environmental affairs) immediately. Wear protective clothing.</p> <p>Clear area of unprotected personnel. Collect spilled material and waste in sealable open top type containers for safe disposal. Wash area with water and detergent and absorb with further inert material.</p> <p>Heavily contaminated soil layers must be dug out down to clean soil.</p> <p><b>Waste Disposal:</b> In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved chemicals waste disposal facility. Spilled product cannot be re-used and must be disposed of by incineration or disposal in a chemical waste disposal facility.</p> <p><b>Container Disposal:</b> Refer to the product label for instructions. If the container is to be refilled, do not rinse with any material or introduce any pesticide other than this product. <b>DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE.</b> Do not transport if this container is damaged or leaking. If containers cannot be recycled, they should be disposed of together with the waste chemical.</p>
<p><b>7) Handling &amp; Storage:</b></p>	
<p><b>Handling:</b></p> <p><b>Storage:</b></p>	<p>Avoid skin and eye contact and inhalation of spray mist. Avoid inhalation of fog and vapours. Do NOT contaminate dams, rivers or streams, or any other water bodies with chemical or used containers</p> <p>Store in original container tightly closed and in a locked, dry, cool, well-ventilated area away from foodstuffs, fertilisers and seeds and out of direct sunlight. Keep away from children or uninformed persons.</p>
<p><b>8) Exposure Control / Personal Protection:</b></p>	
<p>It is essential to provide adequate ventilation. The measures appropriate for a particular work site depend on how this material is used and on the extent of exposure. Ensure that control systems are properly designed and maintained. Comply with occupational safety, environmental, fire, and other applicable regulations.</p> <p><b><u>PERSONAL PROTECTIVE EQUIPMENT:</u></b></p> <p><b>Clothing:</b></p> <p><b>Gloves:</b></p> <p><b>Eye protection:</b></p> <p><b>Respiratory protection:</b></p>	<p>Consult supplier to confirm that the equipment is suitable.</p> <p>Employee must wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance. cotton overalls buttoned to the neck and wrist, water resistant footwear and a washable hat. Full face piece respirator or half facepiece respirator</p> <p>Employee must wear appropriate chemical-resistant gloves to prevent contact with this substance (elbow-length PVC gloves)</p> <p>Full-facepiece respirator (or goggles and half facepiece respirator)</p> <p>Full-facepiece respirator (or goggles and half facepiece respirator)</p>

<b>Emergency eye wash:</b>	Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain or appropriate alternative within the immediate work area for emergency use.
<b>9) Physical &amp; Chemical Properties:</b>	
<b>Form:</b> <b>Colour:</b> <b>Odour:</b> <b>Odour threshold:</b> <b>pH:</b> <b>Melting point / Freezing point</b> <b>Initial boiling point and boiling range</b> <b>Flash point:</b> <b>Evaporation rate:</b> <b>Flammability (solid, gas)</b> <b>Upper/ lower flammability or explosive limits:</b> <b>Vapour pressure:</b> <b>Vapour density:</b> <b>Relative density:</b> <b>Solubility(ies)</b> <b>Partition coefficient: n-octanol/water</b> <b>Auto-ignition temperature:</b> <b>Viscosity:</b>	Liquid White Characteristic No data available 7.3 No data available No data available Not flammable No data available Not flammable No data available No data available No data available No data available No data available No data available Suspends in water No data available No data available
<b>10) Stability &amp; Reactivity:</b>	
<b>Reactivity:</b>  <b>Chemical stability:</b>  <b>Hazardous decomposition product(s):</b>  <b>Conditions to avoid:</b>  <b>Incompatible materials:</b>	No data available.  When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Protect from light and humidity.  If involved in a fire, the dehydrated components may emit oxides of carbon, oxides of nitrogen, hydrogen chloride and hydrogen fluoride.  Protect from extreme temperatures and direct sunlight. . Strong bases, strong acids and strong oxidizing agents.
<b>11) Toxicological Information:</b>	
Acute: Oral LD50 > 2 000 mg/kg, rat Dermal LD50 > 2 000mg/kg, rabbit Inhalation LC50 (4h): >1.0 mg/L , rat Skin irritation : Mild irritant, rabbit Eye irritation : Mild irritant, rabbit Sensitisation : Did not cause sensitization on laboratory animals. Other : N/A	
<b>12) Ecological Information:</b>	

**Information below based on active ingredient:**

**Bees:** Highly toxic to honeybees, both by direct contact and by ingestion.

**Birds:** LD50 Bobwhite quail 48 mg/kg, Mallard ducklings > 5000 mg/kg

**Fish :** LC50 (96h) Rainbow trout >200 ug/L, Bluegill sunfish >80 ug/L.

**Algae :** EC<sub>50</sub> (96 h) for *Scenedesmus subspicatus* 0.065 mg/L.

**Worms:** Non-toxic.

**Other aquatic species:** *Daphnia magna*, EC50 (48h) > 0.15 mg/L.

**13) Disposal Considerations:**

**Waste Disposal :** In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved chemicals waste disposal facility.

**Container Disposal :** Refer to the product label for instructions.

Container Refilling and Disposal:

If the container is to be refilled, do not rinse with any material or introduce any pesticide other than this product.

**DO NO REUSE THE CONTAINER FOR ANY OTHER PURPOSE.**

Do not transport if this container is damaged or leaking.

**14) Transportation Information:**

UN Number: 3082

**Road transport ADR/RID**

Class: 9

Packaging group: III Labelling no: 9

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., Fipronil

**Air transport: ICAO / IATA**

Class: 9

Packaging group: III Labelling no: 9

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. , Fipronil

**Maritime transport: IMDG**

Class: 9

Packaging group: III Labelling no: 9

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. , Fipronil

MARINE POLLUTANT

**15) Regulatory Information:**

**Symbols:** N - Dangerous for the environment

T - Toxic

**Risk – Phrase:**

R20/22 - Harmful by inhalation and if swallowed.

R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.

R41 - Risk of serious damage to eyes.

R48/25 - Toxic: danger of serious damage to health by prolonged exposure if swallowed.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R57 - Toxic to bees.

**Safety – Phrase:**

S1/2 - Keep locked up and out of the reach of children.

S13 - Keep away from food, drink and animal feeding stuffs.

S25 - Avoid contact with eyes.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek advice.

S28 - After contact with skin, wash immediately with plenty of non-abrasive soap and water.

S36/37 - Wear suitable protective clothing and gloves.

S45 - In case of accident or if you feel unwell, see medical advice immediately (Show the label where possible).

S46 - If swallowed, seek medical advice immediately and show this container or label.

S60 - This material and its container should be disposed of as hazardous waste.

S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

#### **Hazard Statements**

H301 - Toxic if swallowed.

H311 - Toxic in contact with skin.

H331 - Toxic if inhaled.

H372 - Causes damage to organs through prolonged or repeated exposure.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long-lasting effects.

#### **16. Other Information**

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear.

It is the responsibility of persons in receipt of this SDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with this product. If the recipient subsequently produces formulation(s) containing this product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from this SDS to their own SDS.

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